

Appl. No. 10/670,771
P-5840P1

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original) A cell adhesion promoting (CAP) peptide-modified polymer composition useful for promoting cell attachment or growth, comprising a polymer surface made of/with a cell adhesion resistant (CAR) material to which one or more peptides are covalently bound, forming a peptide-modified CAP surface, which peptides/surface promote[s]:

- (i) attachment of cells, which cells substantially do not attach to said CAR surface in the absence of said peptides and,
- (ii) optionally, growth, differentiation or enhanced survival of cells that have attached to the peptide-modified surface, which cells substantially do not attach to, grow, differentiate or manifest enhanced survival on, said CAR surface in the absence of said peptides.

Claims 2-28 (canceled)

Claim 29 (original) A method for attaching cells to a peptide-modified CAR polymer surface comprising:

- (a) providing the composition of claim 1;
- (b) adding adherent cells to composition; and
- (c) allowing said cells to attach to said peptide-modified surface.

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Claim 30 (currently amended) A method for growing adherent cells on a peptide-modified CAR polymer surface, comprising:

- (a) providing a layer of adherent cells in a growth-promoting culture medium, which layer is produced in accordance with claim 29; [[25;]]
- (b) optionally, removing unattached (nonadherent) cells;
- (c) incubating said attached (adherent) cells in the medium for a selected period of time under conditions that support cell growth;

thereby growing said adherent cells.

Claim 31 (original) The method of claim 30 wherein said cells are fibroblasts or osteoblasts.

Claims 32-37 (canceled).

Claim 38 (original) The method of claim 31 wherein said CAR surface is in the form of a flexible material.

Claims 39-64 (canceled).

Claim 65 (original) The method of claim 30 wherein said cells are liver cells.

Claim 66 (original) The method of claim 30 wherein said cells are human or rat primary hepatocytes or porcine hepatocytes.